

Yeast genomic DNA extraction with LiOAc-SDS

Extraction of genomic DNA from yeast for PCR-based applications

1. Pick one yeast colony from the plate or spin down 100 –200 μL liquid yeast culture ($\text{OD}_{600} = 0.4$). Suspend cells in 100 μL 200 mM LiOAc, 1% SDS solution.
2. Incubate for 5 min at 70°C.
3. Add 300 μL 96–100% ethanol, then vortex.
4. Spin down DNA and cell debris at 15,000 $\times g$ for 3 min.
5. Wash pellet with 70% ethanol.
6. Dissolve pellet in 100 μL H₂O or TE and spin down cell debris for 15 s at 15,000 $\times g$.
7. Use 1 μL supernatant for PCR.